## IN THE CLAIMS

1.    (currently amended) A method of transmitting data from a transmission apparatus to one of a plurality of receiving terminals, comprising:

communicating between said one receiving terminal and the transmission apparatus via an Internet system, said one receiving terminal being operable to receive a digital broadcasting signal;

receiving authentication data associated with said one receiving terminal;

authenticating said authentication data;

upon authentication, transmitting unique terminal information identifying said one receiving terminal as a destination of transmission and an update program to change the processing of said one receiving terminal, said unique terminal identification information being selected in a manner unrelated to said authentication data and comprising a MAC address of said one receiving terminal, and said transmitting step including converting said unique terminal information into converted unique terminal information comprising a key ID representing an encoded version of said MAC address and transmitting said converted unique terminal information to said one receiving terminal;

storing said transmitted key ID in a first storage location so that it is not recognizable as said encoded version of said MAC address and falsification is preventable;

at said one receiving terminal comparing validating the transmitted key ID to an assigned key ID generated at the receiving terminal to determine whether the transmitted key ID and the assignedis a legal key ID are identical; and

upon determining that the transmitted key ID and the assigned key ID are identicalvalidation:

updating the processing of said one receiving

terminal, said updating ~~step~~ including receiving at said one receiving terminal said unique terminal information and said update program;

storing said update program in a <u>second</u> storage location;

decoding said transmitted key ID to obtain said MAC address;

<u>upon decoding,</u> storing said MAC address in a location different than said <u>first and second</u> storage location<u>s</u> ~~of said update program~~;

transmitting from said one receiving terminal to said transmission apparatus a transfer request based on said update program and said unique terminal information; and

supplying data responsive to said transfer request from said transmission apparatus to said one receiving terminal based on said unique terminal information.

2-5. (canceled)

6.    (previously presented)    The data transmitting method according to claim 1, wherein said supplying step includes supplying said data from said transmission apparatus to said one receiving terminal via a communication satellite based on said unique terminal information.

7.    (previously presented)    The data transmitting method according to claim 1, wherein said supplying step includes supplying said data using an Internet connection from said transmission apparatus to said one receiving terminal based on said unique terminal information.

8.    (previously presented)    The data transmitting method according to claim 1, wherein said supplying step includes

3

supplying said data from said transmission apparatus to said one receiving terminal through a terrestrial circuit based on said unique terminal information.

9.    (previously presented)    The data transmitting method according to claim 1, wherein said data supplied by said transmission apparatus is displayed on a display apparatus of said one receiving terminal based on said unique terminal information.

10.    (cancelled)

11.    (currently amended) A system for transmitting data comprising:

a plurality of receiving terminals; and

a    transmission    apparatus    operable    to    receive authentication data associated with one of said plurality of receiving terminals, to authenticate said authentication data, and to transmit unique terminal information identifying said one receiving terminal as a destination of transmission and an update program to change the processing of said one receiving terminal;

said one receiving terminal being operable to output said authentication data, to receive said unique terminal information and said update program, to communicate with said transmission apparatus via an Internet system, and to receive a digital broadcasting signal, and said one receiving terminal including a specified storage location operable to store said unique terminal information and said update program to update said processing;

wherein    said    unique    terminal    identification information is selected in a manner unrelated to said authentication data and comprises a MAC address of said one

4

receiving terminal, said transmission apparatus transmits said unique terminal information converted into a key ID to said one receiving terminal, said one receiving terminal stores said key ID in a first storage location so that it is not recognizable as a converted version of said MAC address and falsification is preventable, said one receiving terminal stores said update program in a second storage location, ~~and~~ said one receiving terminal ~~compares~~ validates the transmitted key ID ~~to an assigned key ID generated at the receiving terminal~~ to determine whether the transmitted key ID ~~and the assigned~~ is a legal key ID ~~are identical~~, and upon ~~determining that the transmitted key ID and the assigned key ID are identical~~ validation, said one receiving terminal converts said transmitted key ID back to said MAC address and then stores said MAC address in a location different than ~~said~~ the first and second storage location~~s of said update program~~; and

wherein said one receiving terminal transmits to said transmission apparatus a transfer request based on said update program and said unique terminal information and said transmission apparatus supplies data responsive to said transfer request to said one receiving terminal based on said unique terminal information.

12-15. (canceled)

16. (previously presented)  The data transmitting system according to claim 11, wherein said transmission apparatus supplies said data to said one receiving terminal via a communication satellite based on said unique terminal information.

17. (previously presented)  The data transmitting system according to claim 11, wherein said transmission apparatus

supplies said data using an Internet connection to said one receiving terminal based on said unique terminal information.

18. (previously presented)  The data transmitting system according to claim 11, wherein said transmission apparatus supplies said data to said one receiving terminal through a terrestrial circuit based on said unique terminal information.

19. (previously presented)  The data transmitting system according to claim 11, wherein data supplied from said transmission apparatus is displayed on a display apparatus of said one receiving terminal based on said unique terminal information.

20. (cancelled)

21. (currently amended) A receiving system for receiving data transmitted from a transmission apparatus, comprising:

a plurality of receiving terminals, one of said plurality of receiving terminals being operable to communicate with the transmission apparatus via an Internet system, to receive a digital broadcasting signal, to output authentication data associated with said one receiving terminal, and, upon authentication of said authentication data by said transmission apparatus, to receive unique terminal information identifying said one receiving terminal as a destination of transmission and an update program for changing the processing of said one receiving terminal;

a storage ~~location operable to~~ for ~~store~~ storing said unique terminal information and said update program received by said receiving terminal;

a transfer request generated based on said update program and transmitted to the transmission apparatus along with

said unique terminal information; and

data responsive to said transfer request supplied by the transmission apparatus to said one receiving terminal based on said unique terminal information;

wherein said unique terminal information is selected in a manner unrelated to said authentication data and comprises a MAC address of said one receiving terminal, and converted unique terminal information is obtained by converting said unique terminal information into a key ID; and

wherein said one receiving terminal stores said key ID in a first storage location so that it is not recognizable as a converted version of said MAC address and falsification is preventable; and

wherein when said one receiving terminal compares validates the received key ID to an assigned key ID generated at the receiving terminal to determine whether the received key ID is a legaland the assigned key ID are identical, and upon determining that the received key ID and the assigned key ID are identicalvalidation, said one receiving terminal is operable to store said update program in said a second storage location, to generate said transfer request, to decode said received key ID into said MAC address, and to store said MAC address in a location different than said first and second storage locations.

22-25. (canceled)

26. (previously presented)  The receiving system according to claim 21, wherein said data is transmitted via a communication satellite based on said unique terminal information.

27. (previously presented)  The receiving system according to claim 21, wherein said data is transmitted using an Internet

connection based on said unique terminal information.


28.  (previously presented)  The receiving system according to claim 21, wherein said data is transmitted through a terrestrial circuit based on said unique terminal information.


29.  (previously presented)  The receiving system according to claim 21, wherein said data transmitted from the transmission apparatus is displayed on a display based on said unique terminal information.


30.  (cancelled)


31.  (currently amended) A method of receiving data transmitted from a transmission apparatus to one of a plurality of receiving terminals, comprising:

communicating between said one receiving terminal and the transmission apparatus via an Internet system, said one receiving terminal being operable to receive a digital broadcasting signal;

receiving unique terminal information identifying said one receiving terminal as a destination of transmission and an update program for changing the processing of said one receiving terminal, said unique terminal identification information being selected in a manner unrelated to authentication data associated with said one receiving terminal and comprising a MAC address of said one receiving terminal;

converting said unique terminal information into a key ID;

at said one receiving terminal validating a ~~received~~said key ID ~~directly associated with said received unique terminal information with an~~ to determine whether the key ID is a legal~~assigned~~ key ID ~~generated at the receiving~~

~~terminal~~;

storing said ~~received~~ key ID and said update program received by said one receiving terminal in ~~a~~ <u>respective first and second</u> storage locations <u>so that said key ID is not recognizable as a converted version of said MAC address and falsification is preventable</u>; and

upon validating the ~~received~~ key ID ~~with the assigned key ID~~:

retrieving said ~~received~~ key ID from said <u>first</u> storage location;

decoding said ~~retrieved~~ key ID to obtain said MAC address;

storing said MAC address in a location different than said <u>first and second</u> storage locations ~~of said update program~~;

transmitting said unique terminal information and a transfer request based on said update program from said one receiving terminal to said transmission apparatus; and

receiving data transmitted from said transmission apparatus in response to said transfer request based on said unique terminal information.

32-35. (canceled)

36. (previously presented)    The data receiving method according to claim 31, wherein said data is transmitted from said transmission apparatus via a communication satellite based on said unique terminal information.

37. (previously presented)    The data receiving method according to claim 31, wherein said data is transmitted from said transmission apparatus using an Internet connection based on said unique terminal information.

38. (previously presented)    The data receiving method according to claim 31, wherein said data is transmitted from said transmission apparatus through a terrestrial circuit based on said unique terminal information.

39. (previously presented)    The data receiving method according to claim 31, wherein said data transmitted from said transmission apparatus is displayed on a display based on said unique terminal information.

40-46. (cancelled)